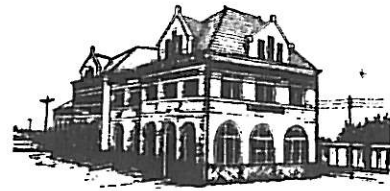


*City of*  
**CRESTON, IOWA**



116 W. Adams • P.O. Box 449 • Creston, IA 50801-0449  
Phone 641-782-2000 • Fax 641-782-6377

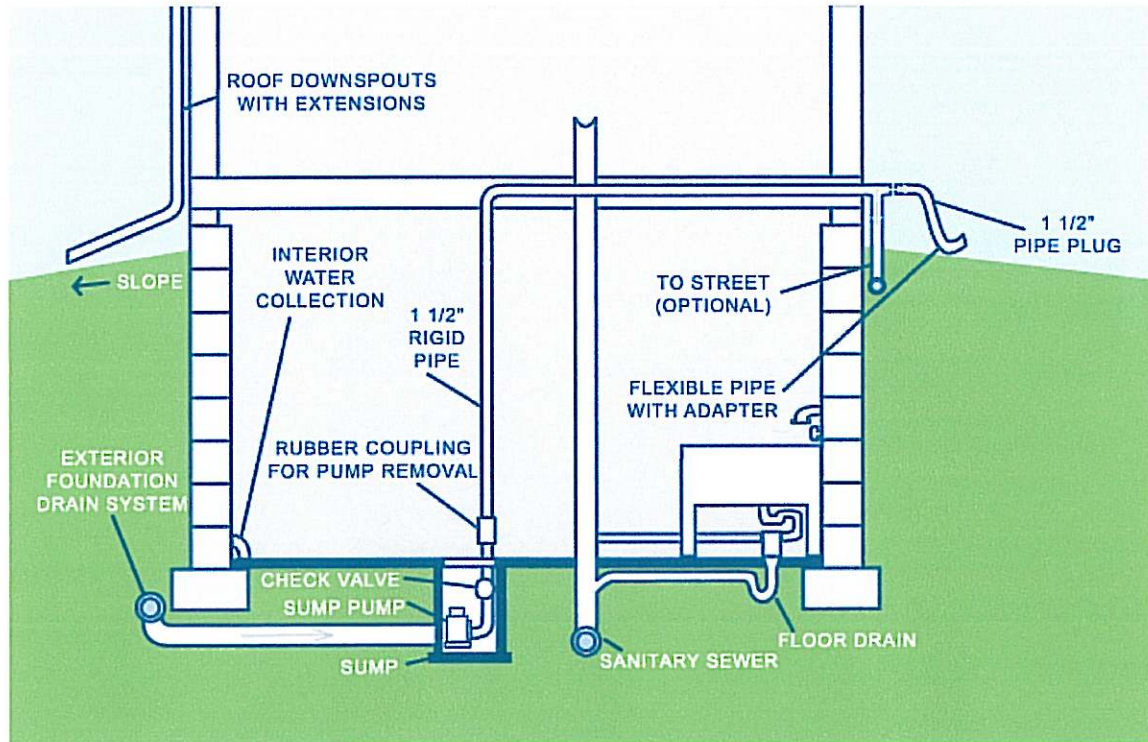
November 1, 2010

**CRESTON, IOWA  
SANITARY SEWER REPAIRS**

The City of Creston received a \$686,250 grant earlier this year from I-JOBS for sanitary sewer and storm water control upgrades to prevent the flooding of homes. I-JOBS is a state investment program introduced by the Governor through the issuance of bonds rather than raising taxes. It is an \$875 million program designed to create/retain jobs, rebuild communities impacted by the natural disasters of 2008, invest in Iowa's infrastructure, and promote long-term economic growth.

The City has decided to use the grant to focus on disconnecting houses' footing drains and sump pumps from sanitary sewer services. A footing drain, also known as a foundation drain, is an underground pipe that collects storm water from around the base of a building and into a sump basket, where it should then be pumped outside of the building. Footing drains should not be connected to the sanitary sewer. When connected to the sanitary sewer, the water from the drains enters the sanitary system and joins other flows to the wastewater treatment plant, where the water must be treated. Treating the additional flow costs time, energy, and money, resulting in higher water and sewer charges. Most importantly, the sanitary sewer systems weren't designed with enough capacity to handle the extra flow, sometimes causing the flooding of

basements with unhealthy wastewater. The footing drain should be connected to discharge into a storm sewer or drainage area. A proper sump pump connection is shown on the following diagram.

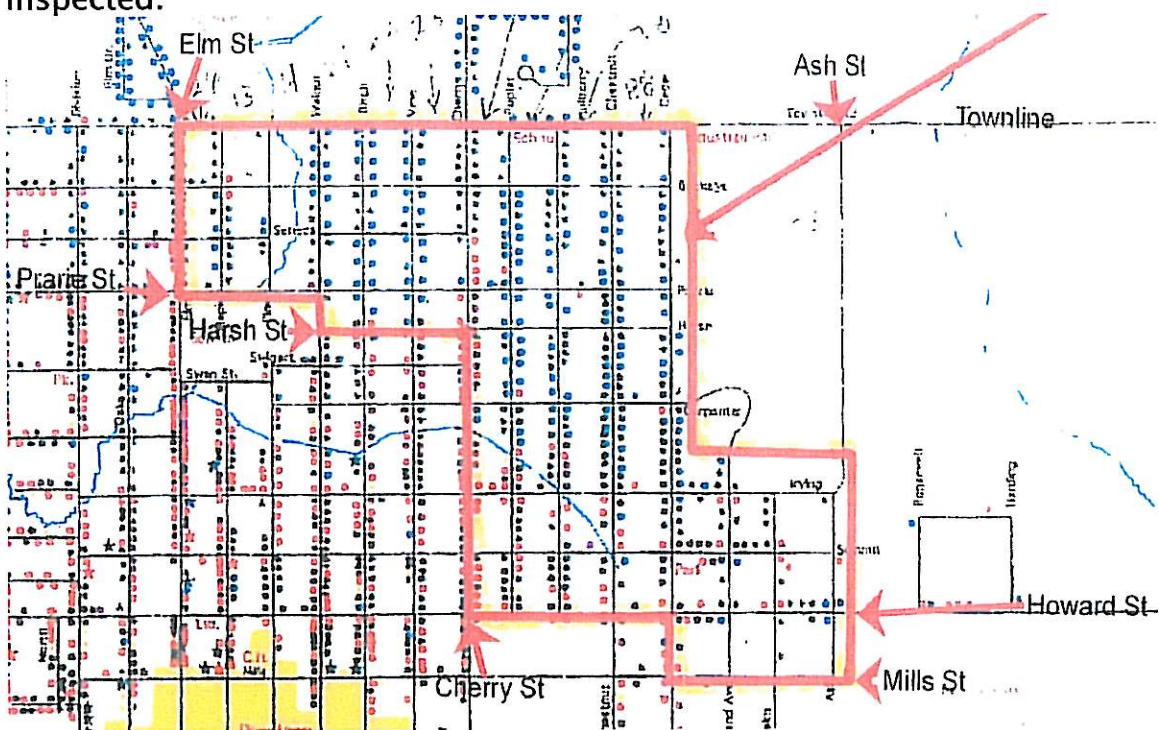


Hydro-Klean, of Des Moines, Iowa, has been selected to perform lateral television inspections of sanitary sewer services to check for footing drain connections beginning November 8<sup>th</sup>. They will launch a camera in the main line of the sanitary sewer to each house's service connection. A smaller camera will be launched from this point up the house's sanitary service line. The camera will televise the service up to the foundation of the house to search for footing drain connections. The camera will not enter the house and no inspection will take place inside the house.

It is expected that approximately 20% of services will be unable to be televised. Hydro-Klean will follow up with water footing injections for those services where the televising is not successful. Water will be injected at the base of the house approximately six feet down to the footing drain. Cameras in the main sanitary sewer lines will then be used to check for injected water. There will be a need to enter the house for

this type of inspection prior to and during the water injection. Hydro-Klean expects to be done with all inspections by the end of November or early December.

The City of Creston has decided to investigate footing drains and sump pumps in the northeast corner of Creston as shown in the map on the following page. This area has had many instances of basement flooding in recent years. The boundary for the area begins in the northwest corner at the intersection of Elm Street and Townline Road and proceeds east to Cedar Street, south to Irving Street, east to Ash Street, south to Mills Street, west to Cedar Street, north to Howard Street, west to Cherry Street, north to Harsh Street, west to Walnut Street, north to Prairie Street, west to Elm Street, and finishes north to Towline Road. The area contains approximately 496 houses, nearly all of which are intended to be inspected.



Once the investigations are completed, results of the inspections will be evaluated and approximately 100 homes will be identified to be included in the project. Field investigations will be performed to evaluate the existing storm drainage system and a plan will be developed to extend



the storm drainage system to connect the identified footing drains and sump pumps. The identified footing drains and sump pumps will then be disconnected from the sanitary sewer service and connected to the storm drainage system. Meetings will be conducted with property owners about where to install a sump pump when necessary. Work on extending the storm sewer system and disconnecting identified footing drains is expected to begin in spring of 2011.

More information is available at the City of Creston's website at <http://www.crestoniowa.gov>. Contact Public Works Director Kevin Kruse at 641-782-2000 extension 1 with any further questions.

**Engineering firm for the project,**

**Veenstra and Kimm, Inc.  
3000 Westown Parkway  
West Des Moines, IA 50266**